

DTIC FILE COPY

1

DTIC
ELECTE
JUL 05 1990
S D D

Technical Report
for the
Cargo Movement Operations System (CMOS)
Computer System Operator's Manual,
Draft

AD-A225 017

27 JUNE 1990

Prepared under

Contract Number F11624-88-D-0001/6K12
CDRL A004-51

Prepared for

Standard Systems Center (SSC)
Deputy Chief of Staff for Acquisition
Cargo Movement Operations System Division
Gunter AFB, AL 36114

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

Prepared by

Science Applications International Corporation (SAIC)
6 Eagle Center, Suite 2,
O'Fallon, IL 62269

90 07 3 218

Table of Contents

	<u>Page</u>
Section I	
Introduction	ii
Summary	ii
Conclusion	ii
Section II	
Results	iii

SECTION I.

INTRODUCTION. The purpose of this Technical Report is to review the Computer System Operator's Manual, CDRL A011-01, which was produced for the Government by Evaluation Research Corporation. The results are provided in the form of Data Item Discrepancy worksheets as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

Title		
This Report		J
STC 145		U
Unpublished		U
Availability		
R. AD-A216211		
Distribution		
Availability Codes		
Dist	Avail and/or Special	
A-1		



SECTION II.

RESULTS.

Our analysis is provided in the attached Data Item
Discrepancy worksheets.

ORIGINATOR CONTROL NUMBER: CSOM-0001
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: EDITORIAL: X

PAGE NUMBER: PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:

All editorial comments for the Draft Computer System Operator's Manual have been collected on this worksheet and are arranged in page number order.

RATIONALE:

N/A

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION: ACCEPT [] REJECT []

COMMENT STATUS: OPEN [] CLOSED []

Cmnt No. ----	Page No. ----	Paragraph Number -----	Comment -----
1.	iii	3.2.5.1 3.2.5.1.1 3.2.5.2	Change subject titles to lower case letters.
2.	3-2	3.1	Remove the word "Jet" from item 8.
3.	3-3	3.1.1.1 d.	This information does not need to be all in capital letters, here or elsewhere.
4.	3-3	3.1.1.2	Add the word "the" after "that" in line 12.

- | | | | |
|-----|------|--------------|--------------------------------------------------------------------------------------|
| 5. | 3-3 | 3.1.1.2 | Change "assumes" to "assume" in the first sentence. |
| 6. | 3-3 | 3.1.1.2 | Change "shutdown" to "shut down" in the fourth sentence. |
| 7. | 3-5 | 3.1.2.1 | Change "Personal" to "Personnel" in the last sentence. |
| 8. | 3-6 | 3.1.2.2.2 | Drop the letter "s" from the word "makes" in line 2. |
| 9. | 3-6 | 3.1.2.4 | Drop the letter "s" from the word "allows" in line 1. |
| 10. | 3-6 | 3.1.2.4 d. | Delete "is" from the first sentence. |
| 11. | 3-8 | 3.1.2.5 | Change "Pc" to "PC" in the second sentence. |
| 12. | 3-8 | 3.1.2.5 | Change the period at the end of the third paragraph to a colon. |
| 13. | 3-9 | 3.1.3.1 b.2. | Capitalize "Cmos". |
| 14. | 3-12 | 3.2.1.2.1 c. | Add a period and a space after the first occurrence of the word "backup". |
| 15. | 3-14 | 3.2.3 | Add a "y" to "recover" in the second sentence. |
| 16. | 3-14 | 3.2.3.2 | Add a space between "shut" and "down" in the second sentence of the first paragraph. |
| 17. | 3-15 | 3.2.3.2 c. | Add a comma after the word "one" in the first sentence. |
| 18. | A-2 | N/A | Correctly sequence pages. |

ORIGINATOR CONTROL NUMBER: CSOM-0002
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: ii

PARA NUMBER: Table of Contents

COMMENT OR RECOMMENDED CHANGE:

Correct paragraph numbers 3.1.1.5 to 3.2.

RATIONALE:

The paragraph numbers used in the table of contents do not comply with DI-MCCR-90018A, or relate to those used in the text.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0003
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: ii - 6-1

PARA NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:

Renumber pages and table of contents to conform with DI-MCCR-80018A,
paragraph 10.1 c.

RATIONALE:

Page numbering is not consecutive in the text or in the table of contents. Page 1-1 should be 1 and page 6-1 should be 27. Any other numbering scheme is not conducive to locating material, given a page number, since its position in the book cannot be estimated due to a variable number of pages preceeding any given page number.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0004
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-2 & 3-3

PARA NUMBER: Figure 3.1, 3.1.1.1

COMMENT OR RECOMMENDED CHANGE:

Mark and label the locations of power switches for the 3B2 peripheral equipment.

RATIONALE:

An operator cannot ensure that each peripheral is powered on without knowledge of power switch locations.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0005
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Gerald T. Love

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-3

PARA NUMBER: 3.1.1.1 b., 3.1.1.2 e.

COMMENT OR RECOMMENDED CHANGE:

A picture of the 3B2 focusing on the area being referenced would be useful.

RATIONALE:

This is the standard feature of most operator manuals.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0006
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Gerald T. Love

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-3

PARA NUMBER: 3.1.1.1 d.

COMMENT OR RECOMMENDED CHANGE:

The vendor documentation ought to accompany the CSOM as an attachment if the operation of the system component is not going to be described.

RATIONALE:

The SA undoubtedly will need the 3B2 O/S manual and the most appropriate way to present it is in conjunction with the CSOM.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0007
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-3

PARA NUMBER: 3.1.1.2

COMMENT OR RECOMMENDED CHANGE:

Move items a. through d. to paragraph 3.1.3 and change the first sentence in item e. to read: "After the system shutdown procedures have been completed..."

RATIONALE:

This information belongs in system shutdown procedures, not power off.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0008
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Gerald T. Love

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-5

PARA NUMBER: 3.1.1.3

COMMENT OR RECOMMENDED CHANGE:

Recommend deletion of "the supervisor" from line 4.

RATIONALE:

Aside from the SA, notification procedures for adding workstations to the system should be developed locally.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0009
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-5

PARA NUMBER: 3.1.1.4

COMMENT OR RECOMMENDED CHANGE:

Change the title of this paragraph to "Power on the Zenith Z-248 PC" and add paragraph 3.1.1.5, "Power Off the Zenith Z-248 PC".

RATIONALE:

This change is required to be consistent with the power on and off procedures described for the Host Processor.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0010
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-5

PARA NUMBER: 3.1.1.4

COMMENT OR RECOMMENDED CHANGE:

Delete the second paragraph's description of booting from a floppy.

RATIONALE:

It is highly unlikely that CMOS Z-248 users will boot from floppy routinely. However, this discussion may apply to diagnostic features.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0011
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-5

PARA NUMBER: 3.1.2.2.2

COMMENT OR RECOMMENDED CHANGE:

Add a description of "Nickname" to this paragraph.

RATIONALE:

No explanation is given as to what a nickname is or how one is chosen.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSCM-0012
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Gerald T. Love

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-7

PARA NUMBER: Figure 3.1.2.4

COMMENT OR RECOMMENDED CHANGE:

Add menu CU1A0025 as an option available from menu CU1A0021. Also add menu CU1A0003.

RATIONALE:

The first menu is described on page 3-6, paragraph 3.1.2.4 d. and the second menu is found on page C3-8, paragraph 3.1.2.5. Both are omitted from Figure 3.1.2.4.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0013
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-7

PARA NUMBER: 3.1.2.4

COMMENT OR RECOMMENDED CHANGE:

Change the figure so that all options are shown within the menus depicted and move the figure title to the bottom of the page.

RATIONALE:

The figure is misleading and incomplete as currently depicted.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0014
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-8

PARA NUMBER: 3.1.2.5

COMMENT OR RECOMMENDED CHANGE:

Change the second message in the second column to read: "Password must be at least six characters in length."

RATIONALE:

The password must be at least six characters in length to provide adequate system security.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0015
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Gerald T. Love

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-8

PARA NUMBER: 3.1.2.5

COMMENT OR RECOMMENDED CHANGE:

Describe the process for identifying users and their passwords and privileges.

RATIONALE:

This is an important SA responsibility and bears explanation.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0016
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3-14

PARA NUMBER: 3.2.3.1

COMMENT OR RECOMMENDED CHANGE:

Add a paragraph number to the reference associated with "CMOS Shutdown Procedures".

RATIONALE:

Without the paragraph number, the reader cannot determine where in section 3.1.3 to look for this information.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: CSOM-0017
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A011-01

DATE: 06/27/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 4-1

PARA NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:

Add Section 4, "Diagnostic Features", as described in DI-MCCR-80018A.

RATIONALE:

DID compliance.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []